

## R317-4, ONSITE WASTEWATER SYSTEMS RULE

### 3.4 Submission, Review, and Approval of Plans for Onsite Wastewater Systems.

- A. Plans and specifications for the construction, alteration, extension, or change of use of onsite wastewater systems which receive domestic wastewater, prepared at the owner's expense by or under the supervision of a qualified person such as, a licensed environmental health scientist, or a registered civil, environmental or geotechnical engineer, certified by the regulatory authority, shall be submitted to and approved by the local health department having jurisdiction before construction of either the onsite wastewater system or building to be served by the onsite wastewater system may begin. Details for said site, plans, and specifications are listed in **R317-4-4** – Onsite Wastewater System Design Requirements.
- B. Plans and specifications for the construction, alteration, extension, or a change of use of onsite wastewater systems, which receive nondomestic wastewater, shall be submitted to and approved by the Division of Water Quality.
- C. The local health department having jurisdiction, or the Division, shall review said plans and specifications as to their adequacy of design for the intended purpose, and shall, if necessary, require such changes as are required by these rules. When the reviewing regulatory authority is satisfied that plans and specifications are adequate for the conditions under which a system is to be installed and used, written approval shall be issued to the individual making the submittal and the plans shall be stamped indicating approval. Construction shall not commence until the plans have been approved by the regulatory authority. The installer shall not deviate from the approved design without the approval of the reviewing regulatory authority.
- D. Depending on the individual site and circumstances, or as determined by the local board of health some or all of the following information may be required. Compliance with these rules must be determined by an on-site inspection after construction but before backfilling. Onsite wastewater systems must be constructed and installed in accordance with these rules.
- E. In order that approval can be expedited, plans submitted for review must be drawn to scale (1" = 8', 16', etc. but not exceed 1" = 30'), or dimensions indicated. Plans must be prepared in such a manner that the contractor can read and follow them in order to install the system properly. The required plan information is as follows:
  1. Plot or property plan showing:
    - a. Date of application.
    - b. Direction of North
    - c. Lot size and dimensions.
    - d. Legal description of property, including Tax ID.
    - e. Ground surface contours (preferably at two foot intervals) of both the original and final (proposed) grades of the property, or relative elevations using an established bench mark.
    - f. Location and dimensions of paved and unpaved driveways, roadways and parking areas.
    - g. Location and explanation of type of dwelling to be served by an onsite wastewater system.
    - h. Maximum number of bedrooms (including statement of whether a finished or unfinished basement will be provided), or if other than a single family dwelling, the number of occupants expected and the estimated gallons of wastewater generated per day.
    - i. Location and dimensions of the essential components of the onsite wastewater system.
    - j. Location of soil exploration pit(s) and percolation test holes.
    - k. Location of building sewer and water service line to serve dwelling.
    - l. The location, type, and depth of all existing and proposed nonpublic water supply sources within 200 feet of onsite wastewater systems, and of all existing or proposed public water supply sources within 1500 feet of onsite wastewater systems.

- m. Distance to nearest public water main and size of main.
  - n. Distance to nearest public sewer, size of sewer, and whether accessible by gravity.
  - o. Location of easements of drainage right-of-ways affecting the property.
  - p. Location of all streams, ditches, watercourses, ponds, subsurface drains, etc., (whether intermittent or year-round) within 100 feet of proposed onsite wastewater system.
  - q. Appropriate fees.
2. Statement of soil conditions obtained from soil exploration pit(s) dug (preferably by backhoe) to a depth of ten feet in the absorption system area, or to the ground water table if it is shallower than 10 feet below ground surface. In the event that absorption system excavations will be deeper than six feet, soil exploration pits must extend to a depth of at least four feet below the bottom of the proposed absorption system excavation. One end of each pit should be sloped gently to permit easy entry if necessary. Whenever possible data from published soil studies of the site should also be submitted. Soil logs should be prepared in accordance with the United States Department of Agriculture soil classification system.
  3. Statement with supporting evidence indicating (A) present and (B) maximum anticipated ground water table and (C) flooding potential for onsite wastewater system site.
  4. The results of at least one stabilized percolation test for the design flow less than 2,000 gallons per day, or three tests if the design flow is more than 2,000 gallons per day, but less than 5,000 gallons per day, in the area of the proposed absorption system, conducted according to the R317-4-5. Percolation tests should be conducted at a depth of six inches below the bottom of the proposed absorption system excavation and test results should be submitted on a "Percolation Test Certificate" obtainable upon request. If a deep wall trench or seepage pit is proposed, a completed "Deep Wall Trench Construction Certificate" may be submitted if percolation tests are not required.